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Streamflow Forecast Summary: June 1, 2021
(averages based on 1981-2010 reference period)

Lake Tahoe Basin	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment						
		Chance that actual volume will exceed forecast						
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Marlette Lake Inflow ²	APR-JUL	-420	-140	40	5%	230	500	830
	JUN-JUL	-530	-280	-110	-79%	60	310	140
Lake Tahoe Rise Gates Closed ¹	APR-HIGH	0.14	0.14	0.14	11%	0.14	0.14	1.31
	MAY-HIGH	0.1	0.1	0.1	9%	0.1	0.1	1.08
Lake Tahoe Net Inflow ²	APR-JUL	-90	-59	-38	-26%	-17	13.9	144.6
	JUN-JUL	-74	-61	-52	-150%	-43	-29	34.7

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

Truckee River Basin	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment						
		Chance that actual volume will exceed forecast						
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Donner Lake Inflow ²	APR-JUL	1.96	4.4	6	34%	7.6	10	17.84
	JUN-JUL	0	0	0.1	2%	1.02	2.4	4.67
Martis Ck Res Inflow ²	APR-JUL	0	0.61	1.7	18%	2.8	4.4	9.39
	JUN-JUL	0	0.04	0.4	18%	0.9	1.98	2.25
Prosser Ck Res Inflow ²	APR-JUL	5.4	9.9	13	30%	16.1	21	42.84
	JUN-JUL	0	0.17	3	21%	5.8	10	14.47
Independence Lk Inflow ²	APR-JUL	1.52	2.9	3.8	31%	4.7	6.1	12.1
	JUN-JUL	0	0.02	0.45	9%	1.23	2.4	5.28
Sagehen Ck nr Truckee	APR-JUL	0.59	0.85	1.1	20%	1.42	2.1	5.6
	JUN-JUL	0.19	0.25	0.3	17%	0.36	0.48	1.77
Stampede Res Local Inflow ²	APR-JUL	3.7	12.2	18	24%	24	32	76.5
	JUN-JUL	0	0	1.2	5%	6.4	14	23.69
L Truckee R ab Boca Reservoir ²	APR-JUL	20	22	24	27%	29	36	88
	JUN-JUL	0	0.2	3.2	12%	8.3	17.2	26
Boca Res Local Inflow ²	APR-JUL	-4.8	-2.5	-0.9	-16%	0.68	3	5.5
	JUN-JUL	-1.62	-0.97	-0.52	-70%	-0.07	0.59	0.74
Truckee R at Farad ²	APR-JUL	72	78	85	33%	97	115	255
	JUN-JUL	0	0.1	13	14%	29	52	90
Truckee R ab Farad Sidewater ²	APR-JUL	15.7	29	38	35%	47	60	108.09
	JUN-JUL	0	0.82	5.2	13%	10.8	19.1	40.99
Galena Ck at Galena Ck State Pk	APR-JUL	0.09	0.85	1.5	34%	2.2	3.1	4.37
	JUN-JUL	0	0.16	0.5	22%	0.85	1.35	2.24
Steamboat Ck at Steamboat	APR-JUL	0.63	0.66	0.75	10%	0.96	1.59	7.7
	JUN-JUL	0	0.03	0.15	4%	0.38	1.07	3.69

Pyramid Lake Elevation Change¹

LOW-HIGH	-3.1	-2.2	-1.82	-107%	-1.41	-0.51	1.7
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1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast

Carson River Basin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
EF Carson R nr Gardnerville								
	APR-JUL	5.6	34	60	32%	86	125	186
	JUN-JUL	0.16	4	8.5	11%	16.1	27	80
	200 cfs	04 Jun	11 Jun	16 Jun		21 Jun	28 Jun	29 Jun
	500 cfs	20 May	20 May	20 May		20 May	20 May	23 Jun
WF Carson R nr Woodfords								
	APR-JUL	7.5	11.5	14.2	26%	16.9	21	54
	JUN-JUL	0	0	2	10%	5.3	10.2	20
Carson R nr Carson City								
	APR-JUL	7	21	34	19%	51	81	179
	JUN-JUL	0	3.2	12	17%	26	58	72
Marlette Lake Inflow²								
	APR-JUL	-420	-140	40	5%	230	500	830
	JUN-JUL	-530	-280	-110	-79%	60	310	140
Kings Canyon Ck nr Carson City								
	APR-JUL	0	0.01	0.09	24%	0.21	0.28	0.38
	JUN-JUL	0	0	0.03	19%	0.06	0.11	0.16
Ash Canyon Ck nr Carson City								
	APR-JUL	0.02	0.22	0.45	40%	0.75	0.91	1.12
	JUN-JUL	0	0.02	0.15	27%	0.22	0.35	0.55
Carson R at Ft Churchill								
	APR-JUL	15.6	16.5	19	11%	25	31	171
	JUN	0	0	3.2	5%	13.4	28	58.9
	JUN-JUL	0	0	3.4	5%	19.5	43	70

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3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast

Walker River Basin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
E Walker R nr Bridgeport²								
	APR-AUG	0	0.02	6.1	9%	8.8	17	68
	JUN-AUG	0	1.43	1.2	3%	7.4	16.6	47.5
W Walker R bl L Walker R nr Coleville								
	APR-JUL	23	47	63	39%	79	103	162
	JUN-JUL	2.7	8.1	18	20%	28	43	89
W Walker R nr Coleville								
	APR-JUL	20	46	63	39%	80	106	163
	JUN-JUL	0	2.1	18	20%	34	57	90
Walker Lake Elevation Change¹								
	LOW-HIGH	-0.3	0	0.1	7%	0.58	1.18	1.41

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3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								

Northern Great Basin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
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McDermitt Ck nr McDermitt

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 3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								

Upper Humboldt River Basin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Marys R nr Deeth								
	APR-JUL	0	1.54	4.7	13%	7.9	12.5	36
	JUN-JUL	0	0.1	1.5	14%	3.4	6.9	10.4
Lamoille Ck nr Lamoille								
	APR-JUL	2.9	8.2	11.8	41%	15.4	21	29
	JUN-JUL	0.31	4.1	6.7	39%	9.3	13.1	17.2
NF Humboldt R at Devils Gate								
	APR-JUL	0	0.32	4.6	14%	9.9	17.7	32
	JUN-JUL	0	0.08	1.4	19%	3.2	6	7.5
Humboldt R nr Elko								
	APR-JUL	0	0	6.7	5%	29	61	133
	JUN-JUL	0	0	0.8	1%	11.3	25	56.6
SF Humboldt R ab Dixie Ck								
	APR-JUL	0	7.4	15.5	23%	24	36	66
	JUN-JUL	0	1.32	8	24%	14.7	25	33
Humboldt R nr Carlin								
	APR-JUL	0	2.1	18	9%	38	67	206
	JUN-JUL	0	5.3	6.7	7%	14.3	21	94
Humboldt R at Palisade								
	APR-JUL	0	6.2	28	12%	64	116	225
	JUN-JUL	0	1.94	14.6	15%	30	52	97

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 3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								

Lower Humboldt River Basin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Rock Ck nr Battle Mountain								
	APR-JUL	0	0.29	0.7	4%	1.11	1.7	18.2
	JUN-JUL	0.02	0.09	0.5	24%	0.91	1.5	2.1
Humboldt R at Comus								
	APR-JUL	0	0	10.9	5%	47	99	213
	JUN-JUL	0	0	2.8	3%	14.3	31	93
L Humboldt R nr Paradise Valley								
	APR-JUL	0.1	1.46	5.3	55%	9.2	14.8	9.7
	JUN-JUL	0	0.25	1.2	29%	2.1	2.5	4.1
Martin Ck nr Paradise Valley								
	APR-JUL	1.26	4.4	6.5	37%	8.7	11.8	17.5
	JUN-JUL	0.04	0.47	1.5	35%	3.6	6.8	4.3
Humboldt R nr Imlay								
	APR-JUL	0	0	2	1%	36	91	178

JUN-JUL	0	0	0.1	0%	10.2	25	84.3
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 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
 3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast

Snake River Basin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Salmon Falls Ck nr San Jacinto								
	JUN-JUL	0.79	2.2	3.5	18%	5.1	8	20
	JUN-SEP	1.92	3.9	5.6	23%	7.7	11.3	24

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 3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast

Owyhee River Basin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Owyhee R nr Gold Ck²								

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 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
 3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast

Eastern Nevada	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Kingston Ck nr Austin								

Steptoe Ck nr Ely

Cleve Ck nr Ely

Lehman Ck nr Baker

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 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
 3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast

Spring Mountains & Southern Nevada	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Virgin R nr Hurricane								
	APR-JUL	1220	1500	1800	25%	2100	2540	7160
	JUN-JUL	390	670	970	26%	1270	1710	3760

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 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
 3) Median value used in place of average

State of Nevada & Eastern Sierra	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment							
		Chance that actual volume will exceed forecast							
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)	
Marlette Lake Inflow ²	APR-JUL	-420	-140	40	5%	230	500	830	
	JUN-JUL	-530	-280	-110	-79%	60	310	140	
Lake Tahoe Rise Gates Closed ¹	APR-HIGH	0.14	0.14	0.14	11%	0.14	0.14	1.31	
	MAY-HIGH	0.1	0.1	0.1	9%	0.1	0.1	1.08	
Lake Tahoe Net Inflow ²	APR-JUL	-90	-59	-38	-26%	-17	13.9	144.6	
	JUN-JUL	-74	-61	-52	-150%	-43	-29	34.7	
Donner Lake Inflow ²	APR-JUL	1.96	4.4	6	34%	7.6	10	17.84	
	JUN-JUL	0	0	0.1	2%	1.02	2.4	4.67	
Martis Ck Res Inflow ²	APR-JUL	0	0.61	1.7	18%	2.8	4.4	9.39	
	JUN-JUL	0	0.04	0.4	18%	0.9	1.98	2.25	
Prosser Ck Res Inflow ²	APR-JUL	5.4	9.9	13	30%	16.1	21	42.84	
	JUN-JUL	0	0.17	3	21%	5.8	10	14.47	
Independence Lk Inflow ²	APR-JUL	1.52	2.9	3.8	31%	4.7	6.1	12.1	
	JUN-JUL	0	0.02	0.45	9%	1.23	2.4	5.28	
Sagehen Ck nr Truckee	APR-JUL	0.59	0.85	1.1	20%	1.42	2.1	5.6	
	JUN-JUL	0.19	0.25	0.3	17%	0.36	0.48	1.77	
Stampede Res Local Inflow ²	APR-JUL	3.7	12.2	18	24%	24	32	76.5	
	JUN-JUL	0	0	1.2	5%	6.4	14	23.69	
L Truckee R ab Boca Reservoir ²	APR-JUL	20	22	24	27%	29	36	88	
	JUN-JUL	0	0.2	3.2	12%	8.3	17.2	26	
Boca Res Local Inflow ²	APR-JUL	-4.8	-2.5	-0.9	-16%	0.68	3	5.5	
	JUN-JUL	-1.62	-0.97	-0.52	-70%	-0.07	0.59	0.74	
Truckee R at Farad ²	APR-JUL	72	78	85	33%	97	115	255	
	JUN-JUL	0	0.1	13	14%	29	52	90	
Truckee R ab Farad Sidewater ²	APR-JUL	15.7	29	38	35%	47	60	108.09	
	JUN-JUL	0	0.82	5.2	13%	10.8	19.1	40.99	
Galena Ck at Galena Ck State Pk	APR-JUL	0.09	0.85	1.5	34%	2.2	3.1	4.37	
	JUN-JUL	0	0.16	0.5	22%	0.85	1.35	2.24	
Steamboat Ck at Steamboat	APR-JUL	0.63	0.66	0.75	10%	0.96	1.59	7.7	
	JUN-JUL	0	0.03	0.15	4%	0.38	1.07	3.69	
Pyramid Lake Elevation Change ¹	LOW-HIGH	-3.1	-2.2	-1.82	-107%	-1.41	-0.51	1.7	
	EF Carson R nr Gardnerville	APR-JUL	5.6	34	60	32%	86	125	186
		JUN-JUL	0.16	4	8.5	11%	16.1	27	80
		200 cfs	04 Jun	11 Jun	16 Jun		21 Jun	28 Jun	29 Jun

	500 cfs	20 May	20 May	20 May		20 May	20 May	23 Jun
WF Carson R nr Woodfords								
	APR-JUL	7.5	11.5	14.2	26%	16.9	21	54
	JUN-JUL	0	0	2	10%	5.3	10.2	20
Carson R nr Carson City								
	APR-JUL	7	21	34	19%	51	81	179
	JUN-JUL	0	3.2	12	17%	26	58	72
Marlette Lake Inflow ²								
	APR-JUL	-420	-140	40	5%	230	500	830
	JUN-JUL	-530	-280	-110	-79%	60	310	140
Kings Canyon Ck nr Carson City								
	APR-JUL	0	0.01	0.09	24%	0.21	0.28	0.38
	JUN-JUL	0	0	0.03	19%	0.06	0.11	0.16
Ash Canyon Ck nr Carson City								
	APR-JUL	0.02	0.22	0.45	40%	0.75	0.91	1.12
	JUN-JUL	0	0.02	0.15	27%	0.22	0.35	0.55
Carson R at Ft Churchill								
	APR-JUL	15.6	16.5	19	11%	25	31	171
	JUN	0	0	3.2	5%	13.4	28	58.9
	JUN-JUL	0	0	3.4	5%	19.5	43	70
E Walker R nr Bridgeport ²								
	APR-AUG	0	0.02	6.1	9%	8.8	17	68
	JUN-AUG	0	1.43	1.2	3%	7.4	16.6	47.5
W Walker R bl L Walker R nr Coleville								
	APR-JUL	23	47	63	39%	79	103	162
	JUN-JUL	2.7	8.1	18	20%	28	43	89
W Walker R nr Coleville								
	APR-JUL	20	46	63	39%	80	106	163
	JUN-JUL	0	2.1	18	20%	34	57	90
Walker Lake Elevation Change ¹								
	LOW-HIGH	-0.3	0	0.1	7%	0.58	1.18	1.41
McDermitt Ck nr McDermitt								
Marys R nr Deeth								
	APR-JUL	0	1.54	4.7	13%	7.9	12.5	36
	JUN-JUL	0	0.1	1.5	14%	3.4	6.9	10.4
Lamoille Ck nr Lamoille								
	APR-JUL	2.9	8.2	11.8	41%	15.4	21	29
	JUN-JUL	0.31	4.1	6.7	39%	9.3	13.1	17.2
NF Humboldt R at Devils Gate								
	APR-JUL	0	0.32	4.6	14%	9.9	17.7	32
	JUN-JUL	0	0.08	1.4	19%	3.2	6	7.5
Humboldt R nr Elko								
	APR-JUL	0	0	6.7	5%	29	61	133
	JUN-JUL	0	0	0.8	1%	11.3	25	56.6
SF Humboldt R ab Dixie Ck								
	APR-JUL	0	7.4	15.5	23%	24	36	66
	JUN-JUL	0	1.32	8	24%	14.7	25	33
Humboldt R nr Carlin								
	APR-JUL	0	2.1	18	9%	38	67	206
	JUN-JUL	0	5.3	6.7	7%	14.3	21	94
Humboldt R at Palisade								
	APR-JUL	0	6.2	28	12%	64	116	225
	JUN-JUL	0	1.94	14.6	15%	30	52	97
Rock Ck nr Battle Mountain								
	APR-JUL	0	0.29	0.7	4%	1.11	1.7	18.2
	JUN-JUL	0.02	0.09	0.5	24%	0.91	1.5	2.1
Humboldt R at Comus								
	APR-JUL	0	0	10.9	5%	47	99	213
	JUN-JUL	0	0	2.8	3%	14.3	31	93
L Humboldt R nr Paradise Valley								
	APR-JUL	0.1	1.46	5.3	55%	9.2	14.8	9.7

	JUN-JUL	0	0.25	1.2	29%	2.1	2.5	4.1
Martin Ck nr Paradise Valley	APR-JUL	1.26	4.4	6.5	37%	8.7	11.8	17.5
	JUN-JUL	0.04	0.47	1.5	35%	3.6	6.8	4.3
Humboldt R nr Imlay	APR-JUL	0	0	2	1%	36	91	178
	JUN-JUL	0	0	0.1	0%	10.2	25	84.3
Salmon Falls Ck nr San Jacinto	JUN-JUL	0.79	2.2	3.5	18%	5.1	8	20
	JUN-SEP	1.92	3.9	5.6	23%	7.7	11.3	24
Owyhee R nr Gold Ck ²								
Kingston Ck nr Austin								
Cleve Ck nr Ely								
Lehman Ck nr Baker								
Virgin R nr Hurricane								
Virgin R at Littlefield								
Lake Powell Inflow ²								
	APR-JUL	1220	1500	1800	25%	2100	2540	7160
	JUN-JUL	390	670	970	26%	1270	1710	3760

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2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average